

**WHAT IS CLAIMED IS:**

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comprising:

1. Apparatus for driving a cholesteric liquid crystal display comprising:
  - a) the display including cholesteric liquid crystals having a first planar reflective state and a second transparent focal conic state, which is respectively responsive to different applied fields;
  - b) an addressing structure having rows and columns of conductors arranged so that when a column and a row overlap, they define a selectable pixel or segment to be viewable or non-viewable;
  - c) means for switching between a first and a second fixed voltage;
  - d) voltage divider means responsive to the first and second fixed voltages for providing one of two selectable voltages for each column and one of two selectable voltages for each row; and
  - e) means for selecting one of the first and second fixed voltages for causing the voltage divider means to provide one of two voltages for a column and one of the two voltages for a row so that a voltage for a particular pixel or segment which will cause such pixel or segment to be in a transparent or reflective state.
2. The apparatus of claim 1 wherein the voltage providing means is a single chip.
3. The apparatus of claim 1 wherein the voltage divider means includes a series of resistors.
4. The apparatus of claim 1 further including means responsive to an input signal for causing the selection of appropriate diodes to provide the appropriate voltage at a selected pixel or segment of the display.